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| UTILITY | | | | | |
|--------------------|--|--|--|--|--|
| PATENT APPLICATION | | | | | |
| TRANSMITTAL | | | | | |

| | Attorney Docket No. First Inventor | | 31030790240 Rui Sousa | | | | |
|--|------------------------------------|-----------------|--------------------------|--|--|--|--|
| | | | | | | | |
| | Title | Methods for U | sing Double-Mutant RNA | | | | |
| | | ss Mail Lahel N | (c) ER379230920US | | | | |

revisional applications under 27 CED 1 52(b))

| (Only for new nonprovisional applications under 37 OF N 1.55(9)) Express man 2435. Test | | | | | | | | | | | |
|--|---|---|---|--|---------------------|------------|---------------------|--|--|--|--|
| APPLICA' | TION ELEMENTS | | Assistant Commissioner for Patents Box Patent Application | | | | | | | | |
| See MPEP chapter 600 concerning utility patent application contents. Washington, DC 20231 | | | | | | | | | | | |
| 1. Fee Transmittal For (Submit an original and a a a Applicant claims sr See 37 CFR 1.27. 3. Specification (preferred arrangement - Descriptive title - Cross Reference - Statement Regal - Reference to see | | 7. CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) 8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) a. Computer Readable Form (CRF) b. Specification Sequence Listing on: i. CD-ROM or CD-R (2 copies); or ii. paper | | | | | | | | | |
| or a computer program listing appendix - Background of the Invention | | | | c. Statements verifying identity of above copies | | | | | | | |
| - Brief Summary | | | Α | CCOMPANYING | APPLIC | ATIC | ON PARTS | | | | |
| - Brief Description of the Drawings (if filed) - Detailed Description - Claim(s) - Abstract of the Disclosure 4. Drawing(s) (35 U.S.C. 113) [Total Sheets 9] | | | | 9. Assignment Papers (cover sheet & document(s)) 37 CFR 3.73(b) Statement Power of Attorney 11. English Translation Document (if applicable) | | | | | | | |
| | , . | , | 12. | Information Disclos | sure | | Copies of IDS | | | | |
| 5. Oath or Declaration | | } | 13. | Statement (IDS)/P | | _ | J Citations | | | | |
| a. Newly execu | · · | | | | | | | | | | |
| b. (for continual | 14. Return Receipt Postcard (MPEP 503) (Should be specifically itemized) | | | | | | | | | | |
| i. DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) | | | | 15. Certified Copy of Priority Document(s) (if foreign priority is claimed) | | | | | | | |
| named in t 1.63(d)(2) | | 16. Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent. | | | | | | | | | |
| 6. Application Data | | 17. Other: | | | | | | | | | |
| | CATION, check appropriate box, and | supply ti | he requ | isite information below | and in a p | relimi | nary amendment, | | | | |
| or in an Application Data She | | SID) | | of prior application No.: 10 | , 404 | .726 | | | | | |
| Continuation | Divisional Continuation-in-part (C | JIP) | c | Group Art Unit: | | · | | | | | |
| Prior application information: For CONTINUATION OR DIVISI | ONAL APPS only: The entire disclosure | of the pr | ior appl | ication, from which an o | ath or decl | aration | is supplied under | | | | |
| Box 5b, is considered a part of | f the disclosure of the accompanying correlled upon when a portion has been ina | ntinuatio | n or div | isional application and is | s hereby in | corpo | rated by reference. | | | | |
| The incorporation can only be | 19. CORRESPO | | | | , p | | | | | | |
| Customer Number or Bar Code Label (Insert Customer No. or Attach bar code label here) Or Correspondence address below | | | | | | | | | | | |
| Name | Sara D. Vinarov | | | | | _ | | | | | |
| | Quarles & Brady LLP | | | | | | | | | | |
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| Country | US | Teleph | one | 608/251-5000 | Fá | ax | 608/251-9166 | | | | |
| Name (Print/Type) | Sara D. Vinarov Registration No. (Attorney/Agent) 48,524 | | | | | | | | | | |
| Signature | Date June 13, 2003 | | | | | e 13, 2003 | | | | | |

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Signature

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Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. Complete if Known FEE TRANSMITTAL Application Number Filing Date for FY 2004 Rui Sosa First Named Inventor Effective 10/01/2003. Patent fees are subject to annual revision. **Examiner Name** Applicant claims small entity status. See 37 CFR 1.27 Art Unit (\$) 737.00 **TOTAL AMOUNT OF PAYMENT** 310307.90240 Attorney Docket No. FEE CALCULATION (continued) METHOD OF PAYMENT (check all that apply) 3. ADDITIONAL FEES Money Order Other Credit card None arge Entity , Small Entity Deposit Account: Fee **Fee Description** Deposit Code (\$) Code (\$) Fee Paid 17-0055 Account 2051 1051 130 65 Surcharge - late filing fee or oath Number Surcharge - late provisional filing fee or Deposit 50 2052 1052 Quarles & Brady LLP cover sheet Name 130 Non-English specification 1053 130 1053 The Director is authorized to: (check all that apply) 1812 2,520 For filing a request for ex parte reexamination 1812 2,520 920* Requesting publication of SIR prior to 1804 920 1804 1 Charge any additional fee(s) or any underpayment of fee(s) Examiner action Charge fee(s) indicated below, except for the filing fee Requesting publication of SIR after 1805 1,840 1805 1.8401 Examiner action to the above-identified deposit account. 110 2251 55 Extension for reply within first month 1251 **FEE CALCULATION** 210 Extension for reply within second month 2252 1252 420 1. BASIC FILING FEE 1253 950 2253 475 Extension for reply within third month Large Entity Small Entity Fee Paid Fee Description Fee Fee Code (\$) 2254 1254 1,480 Extension for reply within fourth month 1,005 Extension for reply within fifth month 1255 2,010 2255 1001 770 2001 385 Utility filing fee 385 1401 330 2401 165 Notice of Appeal 1002 340 2002 170 Design filing fee 330 2402 165 Filing a brief in support of an appeal 1402 1003 530 2003 265 Plant filing fee 145 Request for oral hearing 1403 290 2403 1004 770 2004 385 Reissue filing fee 1451 1,510 1451 1,510 Petition to institute a public use proceeding 2005 80 Provisional filing fee 1005 160 1452 110 2452 55 Petition to revive - unavoidable **SUBTOTAL (1)** (\$) 385.00 2453 1453 1,330 665 Petition to revive - unintentional 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE 1501 1.330 2501 665 Utility issue fee (or reissue) Extra Claims Fee Paid below 1502 480 2502 240 Design issue fee 180.00 **Total Claims** 20 -20* = 1503 640 2503 320 Plant issue fee Independent 7
Claims
Multiple Dependent 172.00 x 43 -3** 1460 130 1460 130 Petitions to the Commissioner 1807 50 1807 50 Processing fee under 37 CFR 1.17(q) Large Entity | Small Entity 180 Submission of Information Disclosure Stmt 1806 180 1806 Fee Description 40 Recording each patent assignment per Code (\$) Code (\$) 40 8021 8021 property (times number of properties) 1202 2202 Claims in excess of 20 18 9 385 Filing a submission after final rejection 1809 770 2809 Independent claims in excess of 3 (37 CFR 1.129(a)) 1201 86 2201 43 1203 290 2203 145 Multiple dependent claim, if not paid 385 For each additional invention to be 1810 770 2810 examined (37 CFR 1.129(b)) ** Reissue independent claims 2204 1204 86 43 over original patent 1801 770 2801 Request for Continued Examination (RCE) Request for expedited examination of a design application 1802 900 1802 900 1205 2205 ** Reissue claims in excess of 20 9 18 and over original patent (\$) 352.00 Other fee (specify) SUBTOTAL (2) *Reduced by Basic Filing Fee Paid (\$) 0.00SUBTOTAL (3) **or number previously paid, if greater; For Reissues, see above (Complete (if applicable)) SUBMITTED BY Registration No. 48,524 Telephone 608/251-5000 Name (Print/Type) Sara D. Vinarev Date October 20, 2003

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This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



One South Pinckney Street Post Office Box 2113 Madison, Wisconsin 53701-2113 Tel 608.251.5000 Fax 608.251.9166 www.quarles.com Attorneys at Law in: Phoenix and Tucson, Arizona Naples and Boca Raton, Florida Chicago, Illinois (Quarles & Brady LLC) Milwaukee and Madison, Wisconsin

October 20, 2003

Mail Stop Patent Application Commissioner for Patents P O Box 1450 Alexandria, VA 22313-1450

Re: Filing Patent Application

Dear Sir:

Enclosed for filing please find a patent application entitled:

METHODS FOR USING DOUBLE-MUTANT RNA POLYMERASES WITH REDUCED DISCRIMINATION BETWEEN NON-CANONICAL AND CANONICAL NUCLEOSIDE TRIPHOSPHATES

by Rui Sousa

The undersigned hereby certifies that this document is being deposited with the United States Postal Service today, October 20, 2003, by the "Express Mail" service, utilizing Express Mail label number ER 379230920US, addressed to: Mail Stop Patent Application, Commissioner for Patents, P O Box 1450, Arlington, VA 22313-1450.

Please indicate receipt of this application by returning the attached postcard with the official Patent and Trademark Office receipt and serial number stamped thereon.

Respectfully submitted,

Enclosures
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